

CLAIMS

I claim:

1. A reflective insulation system, comprising:
  - a) a reflective layer;
  - b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of hot melt glue; and
  - c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue.
2. The insulation system of claim 1 wherein said reflective layer comprises aluminum.
3. The insulation system of claim 1 wherein said vapor retarder material comprises polypropylene.
4. The insulation system of claim 1 wherein said vapor retarder material is a laminate including a layer of polypropylene, a layer of scrim material, and a layer of kraft material.
5. The insulation system of claim 2 wherein said layer of polypropylene is approximately 0.0015 inches thick.
6. The insulation system of claim 1 wherein said vapor retarder material comprises aluminum.
7. The insulation system of claim 1 wherein said reflective layer is perforated.

8. A reflective insulation system, comprising:
  - a) a perforated layer having an outer surface that comprises aluminum;
  - b) a layer of fiberglass having a first side bonded to said perforated layer by a first deposit of hot melt glue;
  - c) a layer of kraft paper bonded to a second side of said layer of fiberglass by a second deposit of hot melt glue;
  - d) a layer of scrim bonded to said layer of kraft paper; and
  - e) a layer of polypropylene bonded to said layer of scrim.
  
9. A method of making a reflective insulation system, comprising;
  - a) unrolling a length of reflective sheet from a roll of reflective sheet;
  - b) applying a first deposit of hot melt glue to a first side of said reflective sheet;
  - c) unrolling a length of a vapor barrier sheet from a roll of vapor barrier;
  - d) applying a second deposit of hot melt glue to a first side of said vapor barrier;
  - e) unrolling a length of fiberglass insulation between said length of reflective sheet and said length of vapor barrier sheet from a roll of fiberglass insulation; and
  - f) pressing said reflective sheet relatively toward said vapor barrier sheet to bond the reflective sheet and said vapor barrier sheet to said fiberglass insulation;
  - g) perforating said reflective sheet; and
  - h) rolling said reflective sheet, said vapor barrier sheet and said fiberglass insulation onto a roll, wherein excess air trapped between the reflective sheet and the vapor barrier sheet is forced out perforations in said aluminum sheet.
  
10. The method of claim 9 wherein said vapor barrier sheet comprises polypropylene.

11. The method of claim 9 wherein said vapor barrier sheet comprises aluminum foil.
12. The method of claim 9 wherein said vapor barrier sheet is a laminate including a layer of polypropylene, a layer of scrim material, and a layer of kraft material.
13. The method of claim 9 wherein excess air trapped between said reflective sheet and said vapor barrier sheet is forced past edges of said reflective sheet and said vapor barrier sheet.
14. A reflective insulation system, comprising:
  - a) a reflective layer;
  - b) a layer of fiberglass having a first side bonded to said reflective layer by a first deposit of glue; and
  - c) a layer of vapor retarder material bonded to a second side of said layer of fiberglass by a second deposit of glue.